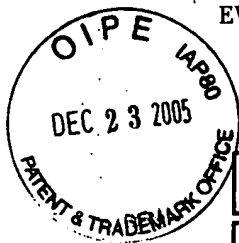


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PTO/SB/80 (04-05)
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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

00959

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

00959

OR

☒ Firm or Individual Name

Amy E. Mandragouras
LAHIVE & COCKFIELD, LLP

Address 28 State Street

City	Boston	State	MA	Zip	02109
Country	US	Telephone	(617) 227-7400	Email	

Assignee Name and Address:

Biosynexus Incorporated
9298 Gaither Road
Gaithersburg, Maryland 20877

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

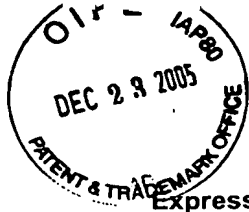
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>Irwin Scher, M.D.</i>	Date	<i>Dec 15, 2005</i>
Name	Irwin Scher, M.D.	Telephone	<i>301. 330. 5800</i>
Title	President and C.E.O.		

Express Mail Label No. EV 608 872 800 US

Dated:

12/23/2005



Express Mail Label No. EV 608 872 800 US

PTO/SB/96 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Gerald Walter FISCHER et al.

Application No./Patent No.: 10/601171 Filed/Issue Date: June 23, 2003

Entitled: OPSONIC AND PROTECTIVE MONOCLONAL AND CHIMERIC ANTIBODIES SPECIFIC FOR LIPOTEICHOIC ACID OF GRAM POSITIVE BACTERIA

Biosynexus Incorporated, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Gerald W. Fischer & Richard F. Schuman To: Henry M. Jackson Foundation for the Advancement of Military Medicine
The document was recorded in the United States Patent and Trademark Office at Reel 011412, Frame 0614, or for which a copy thereof is attached.

2. From: Hing Wong & Jeffrey R. Stinson To: Sunol Molecular Corporation
The document was recorded in the United States Patent and Trademark Office at Reel 011412, Frame 0597, or for which a copy thereof is attached.

3. From: Henry M. Jackson Foundation for the Advancement of Military Medicine and Sunol Molecular Corporation To: Biosynexus Incorporated
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Peter W. Dini
Signature
Peter W. Dini, Reg. No. 58821 FOR
Amy E. Mandragouras, Reg. No. 36,207
Printed or Typed Name
Authorized Signer for Assignee
Title

December 23, 2005
Date
617-227-7400
Telephone Number

LICENSE AGREEMENT

THIS LICENSE AGREEMENT (this "Agreement") is made and entered into effective for all purposes and in all respects as of the 24th day of May, 1999 (the "Effective Date"), by and among (i) HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE ("Foundation"), a tax-exempt Maryland corporation, (ii) SUNOL MOLECULAR CORPORATION ("Sunol"), a Delaware corporation, and (iii) BIOSYNEXUS INCORPORATED ("Biosynexus"), a Delaware corporation.

6. PATENT FILING, MAINTENANCE AND ABANDONMENT.

6.1. Beginning with the Effective Date, Biosynexus, at its own expense, shall prepare, file, prosecute and maintain U.S. and foreign patent applications and patents for the exclusively licensed Licensed Patent Rights (as referenced in Exhibits A-1, B and C-1), and as a result, Biosynexus shall have control over such exclusively licensed Licensed Patent Rights. Biosynexus shall consult with the respective licensor (Foundation, SJ Group or Sunol, as the case may be) with respect to such preparation, filing, prosecution and maintenance to the extent such consultation is reasonably practical (but in all events Biosynexus shall notify the appropriate licensor of such preparation, filing, prosecution and maintenance). The Foundation and Sunol, as applicable, will pay the cost of preparing, filing, prosecuting and maintaining U.S. and foreign patent applications and patents for, and thus will have control over such non-exclusively licensed Foundation Patents Rights and Sunol Patent Rights (as referenced in Exhibits A-2 and C-2) for the three (3) year period commencing as of the Effective Date. The parties hereto agree to cooperate in the preparation and execution (or cause their authorized agents to prepare and execute) all documents, instruments or other agreements reasonably necessary to enable the responsible party to apply for, to prosecute and to maintain the Licensed Patent Rights. Foundation, the SJ Group and Sunol, respectively, shall provide to Biosynexus, and Biosynexus shall reciprocally provide such parties with prompt written notice as to all matters which come to its attention and which may affect the preparation, filing, prosecution or maintenance of any such Licensed Patent Rights.

IN WITNESS WHEREOF, the parties hereto have executed this License Agreement as of the date first above written.

ATTEST:

Reva S. Stifford

HENRY M. JACKSON FOUNDATION FOR
THE ADVANCEMENT OF MILITARY
MEDICINE, a tax-exempt Maryland corporation

By: *John W. Lowe*

Name: John W. Lowe

Title: President

ATTEST:

Benjamin H. Wong

By: *Benjamin H. Wong*

Name: Benjamin H. Wong

Title: President & CEO

ATTEST:

Kristen M. Darnell

BIOSYNEXUS INCORPORATED, a Delaware
corporation

By: *Gerald W. Fischer*

Name: Gerald W. Fischer

Title: President and CEO

EXHIBIT A-1
TO
LICENSE AGREEMENT

Foundation Patent Rights - Exclusive License

DIRECTED HUMAN IMMUNE GLOBULIN

Serial Number 08/458,418 (18-01)

Serial Number 08/459,164 (18-03)

Serial Number 08/460,622 (18-04)

Related Foreign Patents and Applications

Serial Number 32718/93 Australia

Serial number 2,117,480 Canada

Serial Number 93910435.3 European Patent Office

Serial Number 5-514800 Japan

BROADLY REACTIVE OPSONIC ANTIBODY

U.S. Patent No. 5,971,511 (02-05)

Serial Number 08/458,414 (19-01)

Related Foreign Patents and Applications

Serial Number 2,132,421 Canada

Serial Number 93907460.5 European Patent Office

Serial Number 105119 Israel

Serial Number 5-516636 Japan

Serial Number 45928 Phillippines

Serial Number 93/1969 South Africa

IN VITRO METHODS

Serial Number 08/466,059 (20-02) – In Vitro Methods for Identifying Pathogenic Staphylococcus, for Identifying Immunoglobulin Useful for the Treatment of Pathogenic Staphylococcus Infections and In Vitro Methods for Employing Such Immunoglobulin

Gerald W. Fischer (VSI)

New application filed on 6/6/96; initial patent application filed on 10/22/90 (which was abandoned)

This patent application describes staphylococcal antigens that induce broadly reactive opsonic antibodies to both coagulase positive and negative staphylococci. Claims for such antigens may be useful in diagnostics and of value in vaccine constructs.

Related Foreign Patents and Applications

SURFACE PROTEINS

Serial Number 08/472,715 (21-01)

Serial Number 08/471,285 (21-03)

Related Foreign Patents and Applications

Serial Number 36371/95 Australia

Serial Number 2,200691 Canada

Serial Number 95933880.7 European Patent Office

Serial Number 8-511066 Japan

With respect to the Foundation Licensed Technology listed on Exhibit A-2, an exclusive worldwide right and license is granted that is limited to the field of the prevention and treatment of staphylococcal infections.

EXHIBIT A-2
TO
LICENSE AGREEMENT

Foundation Patent Rights Licensed on a Non-Exclusive Basis

Dual Carrier Immunogenic Constructs

Dr. James J. Mond and Andrew Lees
U.S. Application filed 2/10/93; Parent Application filed 2/11/92, Issued claims.

Activation and Derivatization of Soluble Polymers Using Cyano-Transfer Reagents

Dr. Andrew Lees
Patent disclosure 6/22/93

Producing Immunogenic Constructs Using Soluble Carbohydrates Activated Via Organic Cyanylating Reagents

Dr. Andrew Lees
Patent filed 9/22/93; C.I.P. Application filed 3/22/95 Issued claims. U.S. Patent #5,651,971, issued July 29, 1997.

Method of Activating Soluble Carbohydrate Using Novel Cyanylating Reagents for the Production of Immunogenic Constructs

Dr. Andrew Lees
Patent filed 6/27/95

Process for Preparing Conjugate Vaccines Including Free Protein and the Conjugate Vaccines, Immunogens and Immunogenic Reagents produced by this Process

Dr. Andrew Lees and James Mond
Patent filed 1/8/97

Coupling of Unmodified Proteins to Haloacyl or Dihaloacyl Derivatized Polysaccharides for the Preparation of Protein-Polysaccharide Vaccines

Dr. Andrew Lees
Patent filed 4/24/97

EXHIBIT B
TO
LICENSE AGREEMENT

SJ Group Patent Rights - Exclusive License

Opsonic and Protective Monoclonal and Chimeric Antibodies Specific Lipoteichoic Acid of Gram Positive Bacteria

Fischer, Schuman, Wong, Stinson, VSI and Sunol

Filed June 16, 1997; Serial #60/049,871

This application describes a monoclonal antibody (MAB) that is directed against LTA and provides enhanced protection passively for S. aureus and S. epidermidis in animals. Thus epitopes on LTA may induce protection against staphylococci. In addition this MAB binds to other gram positives such as group A streptococcus and enterococcus. The peptide mimic that binds to this MAB is claimed. Peptide mimics of LTA could be very useful for development of vaccines to gram positive bacteria, since LTA is considered a key component for binding of gram-positive bacteria to epithelial cells. Foundation owns a fifty percent (50%) interest in this technology.

EXHIBIT C-1
TO
LICENSE AGREEMENT

SUNOL Patent Rights - Exclusive License

Exclusive basis:

A human single-chain antibody library consisting of the following: the specific collection of filamentous phages carrying human single-chain antibody fragments that were constructed with RNAs derived from the human spleen cells provided by the Uniformed Services University of the Health Sciences. This collections of phages was used in an in-vitro panning protocol to successfully isolate single-chain antibody fragments recognizing staphylococcal antigens.

EXHIBIT C-2
TO
LICENSE AGREEMENT

SUNOL Patent Rights Licensed on a Non-Exclusive Basis

Non-exclusive basis (an exclusive worldwide right and license is granted that is limited to the field of the prevention and treatment of staphylococcal infections):

1. Method Involving Display of Protein Binding Pairs on the Surface of Bacterial Pili and Bacteriophage US Patent #5,516,637
2. Methods for Peptide Synthesis and Purification US Patent #5,763,284
3. Peptide Synthesis and Purification by Fusion to PenI Protein or Precipitation Effective Portion Thereof US Patent # 5,888,775
4. Methods of Making Recombinant Cells USSN 09/204,979